

#7



PCT09

RAW SEQUENCE LISTING                      DATE: 05/21/2002  
 PATENT APPLICATION: US/10/018,729              TIME: 15:42:53

Input Set : A:\ST99021 Sequence.ST25.txt  
 Output Set: N:\CRF3\05212002\J018729.raw

**ENTERED**

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3 <110> APPLICANT: DARTEIL, Raphael
4      CROUZET, Joel
5      STAELS, Bart
6      MAHFOUDI, Abderrahim
8 <120> TITLE OF INVENTION: SYSTEM OR REGULATION OF EXPRESSION USING PPAR NUCLEAR
RECEPTORS
10 <130> FILE REFERENCE: ST99021 US PCT
12 <140> CURRENT APPLICATION NUMBER: 10/018,729
C--> 13 <141> CURRENT FILING DATE: 2002-04-22
15 <150> PRIOR APPLICATION NUMBER: FR 99/07957
16 <151> PRIOR FILING DATE: 1999-06-22
18 <150> PRIOR APPLICATION NUMBER: US 60/149,721
19 <151> PRIOR FILING DATE: 1999-08-20
21 <150> PRIOR APPLICATION NUMBER: PCT/FR00/01744
22 <151> PRIOR FILING DATE: 2000-06-22
24 <160> NUMBER OF SEQ ID NOS: 28
26 <170> SOFTWARE: PatentIn version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 19
30 <212> TYPE: DNA
C--> 31 <213> ORGANISM: Artificial
33 <220> FEATURE:
34 <223> OTHER INFORMATION: sequence of a site in the PPAR response element
36 <400> SEQUENCE: 1
37 tcaaccttta ccctggtag                                     19
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 27
42 <212> TYPE: DNA
C--> 43 <213> ORGANISM: Artificial
45 <220> FEATURE:
46 <223> OTHER INFORMATION: primer
48 <400> SEQUENCE: 2
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52 <210> SEQ ID NO: 3
53 <211> LENGTH: 37
54 <212> TYPE: DNA
C--> 55 <213> ORGANISM: Artificial
57 <220> FEATURE:
58 <223> OTHER INFORMATION: primer
60 <400> SEQUENCE: 3
61 acgtgtcgac actagtggct agaggatctc taccagg                 37
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 48
66 <212> TYPE: DNA

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C--> 67 <213> ORGANISM: Artificial
      69 <220> FEATURE:
      70 <223> OTHER INFORMATION: primer
      72 <400> SEQUENCE: 4
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      76 <210> SEQ ID NO: 5
      77 <211> LENGTH: 13
      78 <212> TYPE: DNA
C--> 79 <213> ORGANISM: Artificial
      81 <220> FEATURE:
      82 <223> OTHER INFORMATION: sequence of site in PPAR response element
      84 <400> SEQUENCE: 5
      85 aggtcaaagg tca                                              13
      88 <210> SEQ ID NO: 6
      89 <211> LENGTH: 69
      90 <212> TYPE: DNA
C--> 91 <213> ORGANISM: Artificial
      93 <220> FEATURE:
      94 <223> OTHER INFORMATION: primer
      96 <400> SEQUENCE: 6
      97 acgtgtcgac actagtcaaa actaggtcaa aggtcacgga aaactagggtc aaaggtcacg    60
      99 gaaaactag                                                  69
     102 <210> SEQ ID NO: 7
     103 <211> LENGTH: 64
     104 <212> TYPE: DNA
C--> 105 <213> ORGANISM: Artificial
     107 <220> FEATURE:
     108 <223> OTHER INFORMATION: primer
     110 <400> SEQUENCE: 7
     111 cgatggtacc ctcgagcaat gtgctagccg tgacctttga cctagttttc cgtgaccttt    60
     113 gacc                                                         64
     116 <210> SEQ ID NO: 8
     117 <211> LENGTH: 32
     118 <212> TYPE: DNA
C--> 119 <213> ORGANISM: Artificial
     121 <220> FEATURE:
     122 <223> OTHER INFORMATION: primer
     124 <400> SEQUENCE: 8
     125 acgtagatct cggtaggcgt gtacggtggg ag                          32
     128 <210> SEQ ID NO: 9
     129 <211> LENGTH: 29
     130 <212> TYPE: DNA
C--> 131 <213> ORGANISM: Artificial
     133 <220> FEATURE:
     134 <223> OTHER INFORMATION: primer
     136 <400> SEQUENCE: 9
     137 acgtaagctt ctatggaggt caaaacagc                                29
     140 <210> SEQ ID NO: 10
     141 <211> LENGTH: 21

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C--> 143 <213> ORGANISM: Artificial
145 <220> FEATURE:
146 <223> OTHER INFORMATION: primer
148 <400> SEQUENCE: 10
149 ggtttgctga atgtgaagcc c 21
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 42
154 <212> TYPE: DNA
C--> 155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <223> OTHER INFORMATION: primer
160 <400> SEQUENCE: 11
161 agtctctaga gctacgcgta caagtccttg tagatctcct gc 42
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 32
166 <212> TYPE: DNA
C--> 167 <213> ORGANISM: Artificial
169 <220> FEATURE:
170 <223> OTHER INFORMATION: primer
172 <400> SEQUENCE: 12
173 agtcacgcgt gggcgatctt gacaggaaag ac 32
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 21
178 <212> TYPE: DNA
C--> 179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: primer
184 <400> SEQUENCE: 13
185 gcctttgagt gagctgatac c 21
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 35
190 <212> TYPE: DNA
C--> 191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: primer
196 <400> SEQUENCE: 14
197 agtcactagt aagctttttg ccgccagaac acagg 35
200 <210> SEQ ID NO: 15
201 <211> LENGTH: 36
202 <212> TYPE: DNA
C--> 203 <213> ORGANISM: Artificial
205 <220> FEATURE:
206 <223> OTHER INFORMATION: primer
208 <400> SEQUENCE: 15
209 agtcactagt ccatggctgc ccagtgcctc acgacc 36
212 <210> SEQ ID NO: 16
213 <211> LENGTH: 21
214 <212> TYPE: DNA

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C--> 215 <213> ORGANISM: Artificial
      217 <220> FEATURE:
      218 <223> OTHER INFORMATION: primer
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      224 <210> SEQ ID NO: 17
      225 <211> LENGTH: 40
      226 <212> TYPE: DNA
C--> 227 <213> ORGANISM: Artificial
      229 <220> FEATURE:
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      232 <400> SEQUENCE: 17
      233 tgacgtgtcg acctagtaca agtccttgta gatctcctgc         40
      236 <210> SEQ ID NO: 18
      237 <211> LENGTH: 31
      238 <212> TYPE: DNA
C--> 239 <213> ORGANISM: Artificial
      241 <220> FEATURE:
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      244 <400> SEQUENCE: 18
      245 agtcgctgac gcttcgagca gacatgataa g                   31
      248 <210> SEQ ID NO: 19
      249 <211> LENGTH: 35
      250 <212> TYPE: DNA
C--> 251 <213> ORGANISM: Artificial
      253 <220> FEATURE:
      254 <223> OTHER INFORMATION: primer
      256 <400> SEQUENCE: 19
      257 agtcgctagc gacggatcct tatcgatttt accac               35
      260 <210> SEQ ID NO: 20
      261 <211> LENGTH: 50
      262 <212> TYPE: DNA
C--> 263 <213> ORGANISM: Artificial
      265 <220> FEATURE:
      266 <223> OTHER INFORMATION: primer
      268 <400> SEQUENCE: 20
      269 gtcagctagc ctactcgagc caccatgggt gaaactctgg gagattctcc 50
      272 <210> SEQ ID NO: 21
      273 <211> LENGTH: 42
      274 <212> TYPE: DNA
C--> 275 <213> ORGANISM: Artificial
      277 <220> FEATURE:
      278 <223> OTHER INFORMATION: primer
      280 <400> SEQUENCE: 21
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      284 <210> SEQ ID NO: 22
      285 <211> LENGTH: 33
      286 <212> TYPE: DNA
C--> 287 <213> ORGANISM: Artificial

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289 <220> FEATURE:
290 <223> OTHER INFORMATION: primer
292 <400> SEQUENCE: 22
293 gtcagctagc cggtaggcgt gtacgggtggg agg          33
296 <210> SEQ ID NO: 23
297 <211> LENGTH: 33
298 <212> TYPE: DNA
C--> 299 <213> ORGANISM: Artificial
301 <220> FEATURE:
302 <223> OTHER INFORMATION: primer
304 <400> SEQUENCE: 23
305 tacgctcgag cttctatgga ggtcaaaaca gcg          33
308 <210> SEQ ID NO: 24
309 <211> LENGTH: 750
310 <212> TYPE: PRT
311 <213> ORGANISM: Homo sapiens
313 <400> SEQUENCE: 24
315 Met Gly Glu Thr Leu Gly Asp Ser Pro Ile Asp Pro Glu Ser Asp Ser
316 1          5          10          15
318 Phe Thr Asp Thr Leu Ser Ala Asn Ile Ser Gln Glu Met Thr Met Val
319          20          25          30
321 Asp Thr Glu Met Pro Phe Trp Pro Thr Asn Phe Gly Ile Ser Ser Val
322          35          40          45
324 Asp Leu Ser Val Met Glu Asp His Ser His Ser Phe Asp Ile Lys Pro
325          50          55          60
327 Phe Thr Thr Val Asp Phe Ser Ser Ile Ser Thr Pro His Tyr Glu Asp
328 65          70          75          80
330 Ile Pro Phe Thr Arg Thr Asp Pro Val Val Ala Asp Tyr Lys Tyr Asp
331          85          90          95
333 Leu Lys Leu Gln Glu Tyr Gln Ser Ala Ile Lys Val Glu Pro Ala Ser
334          100         105         110
336 Pro Pro Tyr Tyr Ser Glu Lys Thr Gln Leu Tyr Asn Lys Pro His Glu
337          115         120         125
339 Glu Pro Ser Asn Ser Leu Met Ala Ile Glu Cys Arg Val Cys Gly Asp
340          130         135         140
342 Lys Ala Ser Gly Phe His Tyr Gly Val His Ala Cys Glu Gly Cys Lys
343 145         150         155         160
345 Gly Phe Phe Arg Arg Thr Ile Arg Leu Lys Leu Ile Tyr Asp Arg Cys
346          165         170         175
348 Asp Leu Asn Cys Arg Ile His Lys Lys Ser Arg Asn Lys Cys Gln Tyr
349          180         185         190
351 Cys Arg Phe Gln Lys Cys Leu Ala Val Gly Met Ser His Asn Ala Ile
352          195         200         205
354 Arg Phe Gly Arg Met Pro Gln Ala Glu Lys Glu Lys Leu Leu Ala Glu
355          210         215         220
357 Ile Ser Ser Asp Ile Asp Gln Leu Asn Pro Glu Ser Ala Asp Leu Arg
358 225         230         235         240
360 Ala Leu Ala Lys His Leu Tyr Asp Ser Tyr Ile Lys Ser Phe Pro Leu
361          245         250         255

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,26,27,28